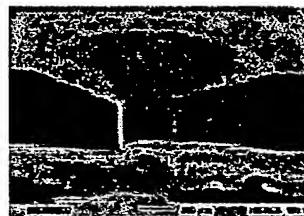


Figure 1: Comparison: vias before PER cleaning

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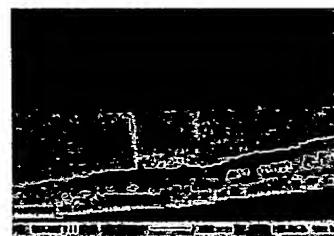
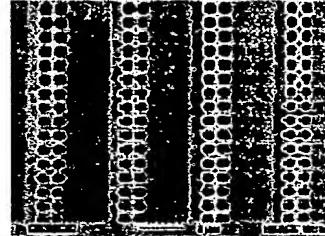
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Figure 2: Tank unit, vias after cleaning for 5 min

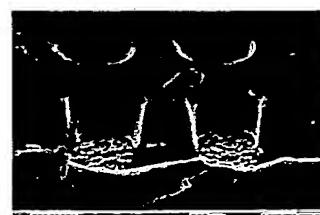
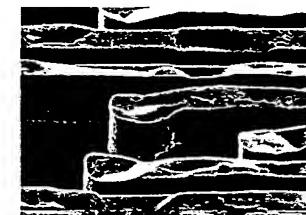
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Figure 3: Spray tool (Semitool SAT), vias after cleaning for 20 min

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Figure 5:

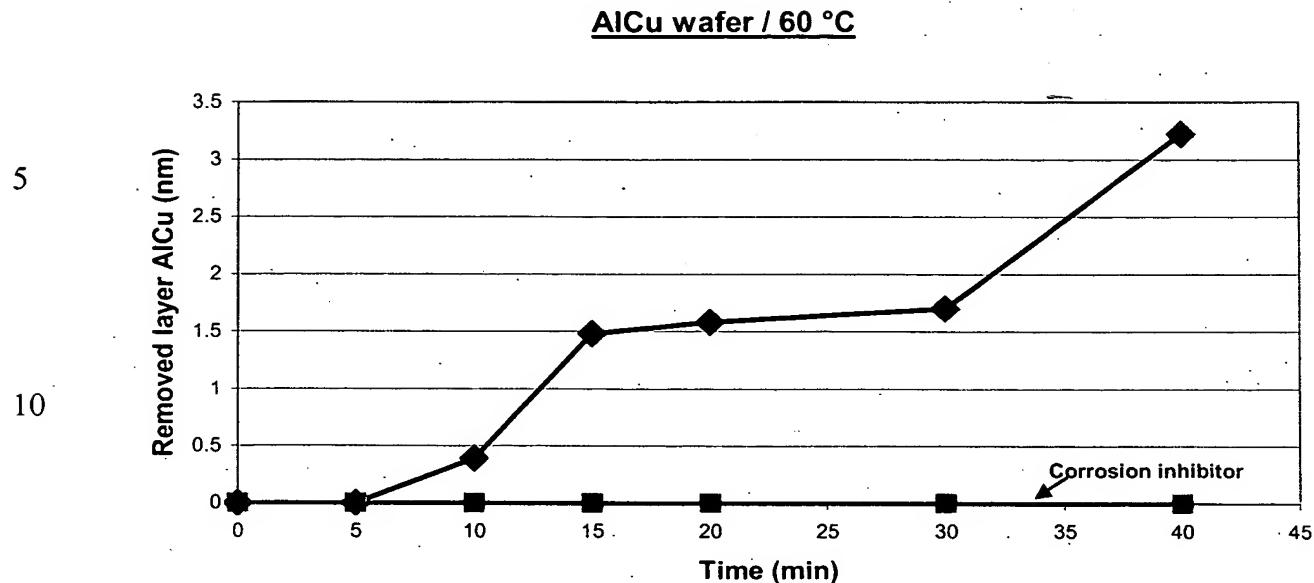
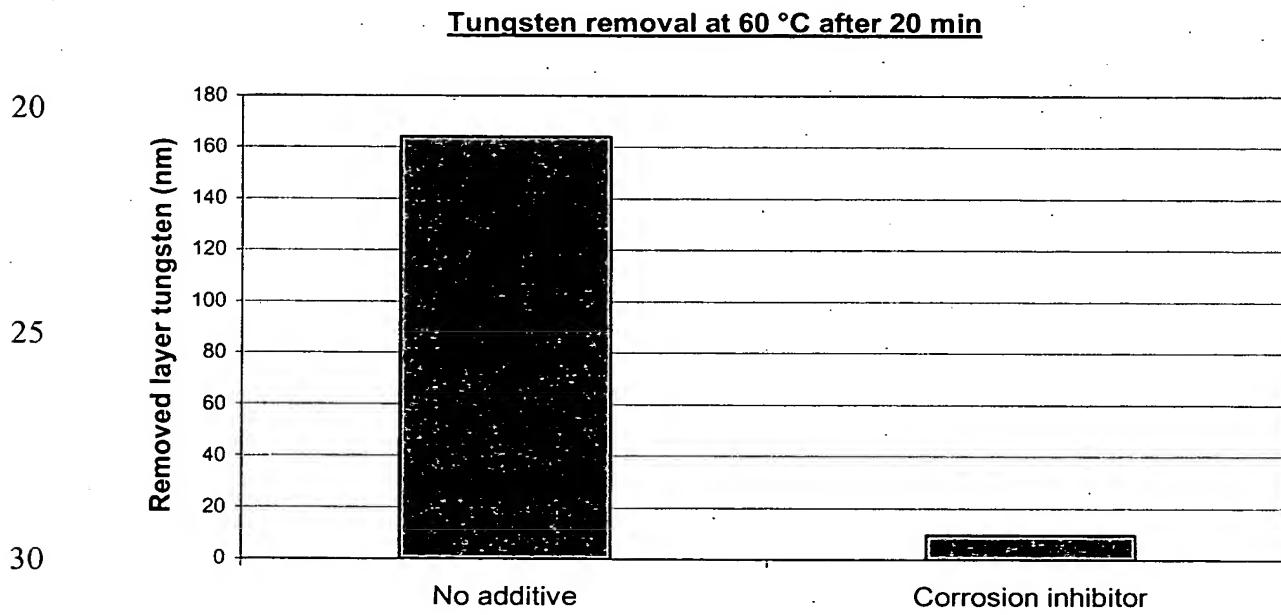


Figure 6:



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Figure 7: After cleaning for 20 min at 60°C with tartaric acid 5% / NMP 1% / enanthic acid 1000 ppm

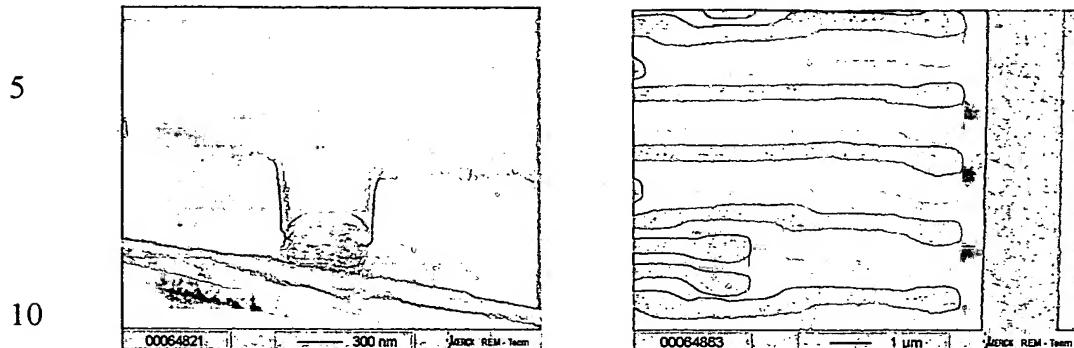


Figure 8: After cleaning for 20 min at 60°C with tartaric acid 5% / DMSO 1% / enanthic acid 1000 ppm

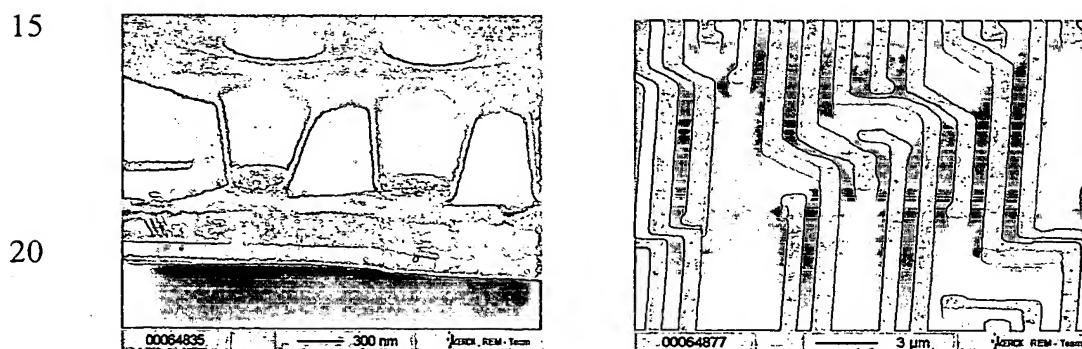
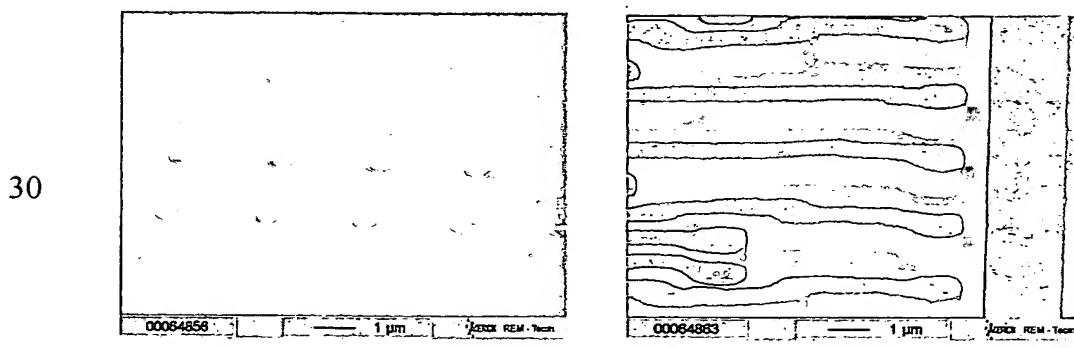


Figure 9: After cleaning for 20 min at 60°C with tartaric acid 5% / PGMEA 1% / enanthic acid 1000 ppm



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Figure 10: After cleaning for 20 min at 60°C with maleic acid 5% / NMP 1% / enanthic acid 1000 ppm

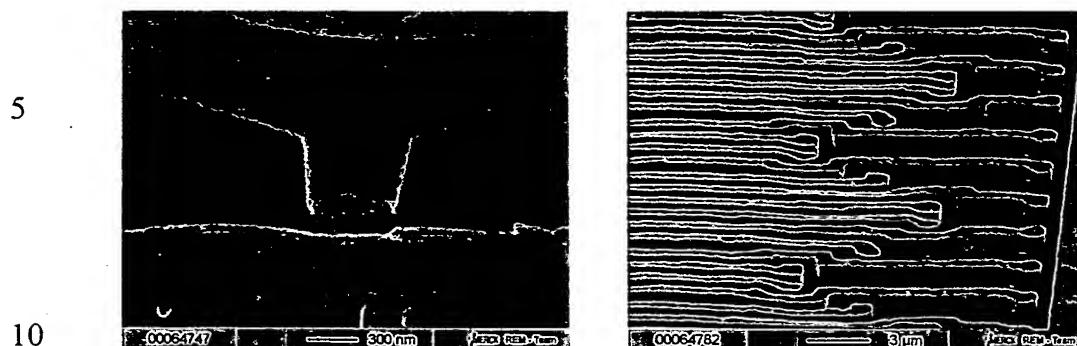


Figure 11: After cleaning for 20 min at 60°C with maleic acid 5% / DMSO 1% / enanthic acid 1000 ppm

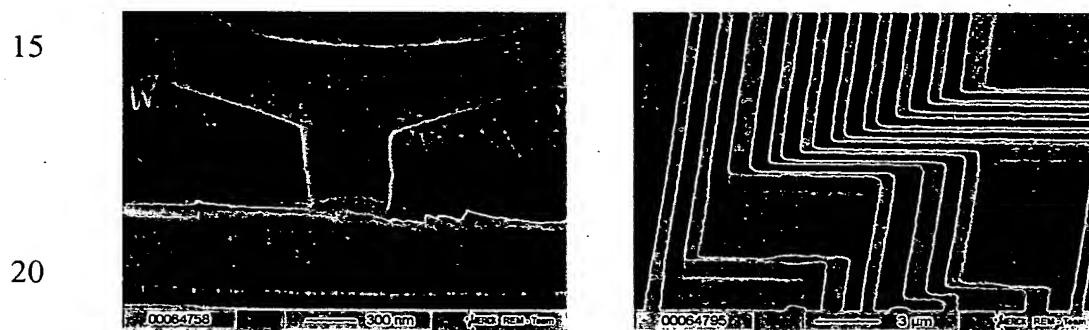


Figure 12: After cleaning for 20 min at 60°C with maleic acid 5% / PGMEA 1% / enanthic acid 1000 ppm



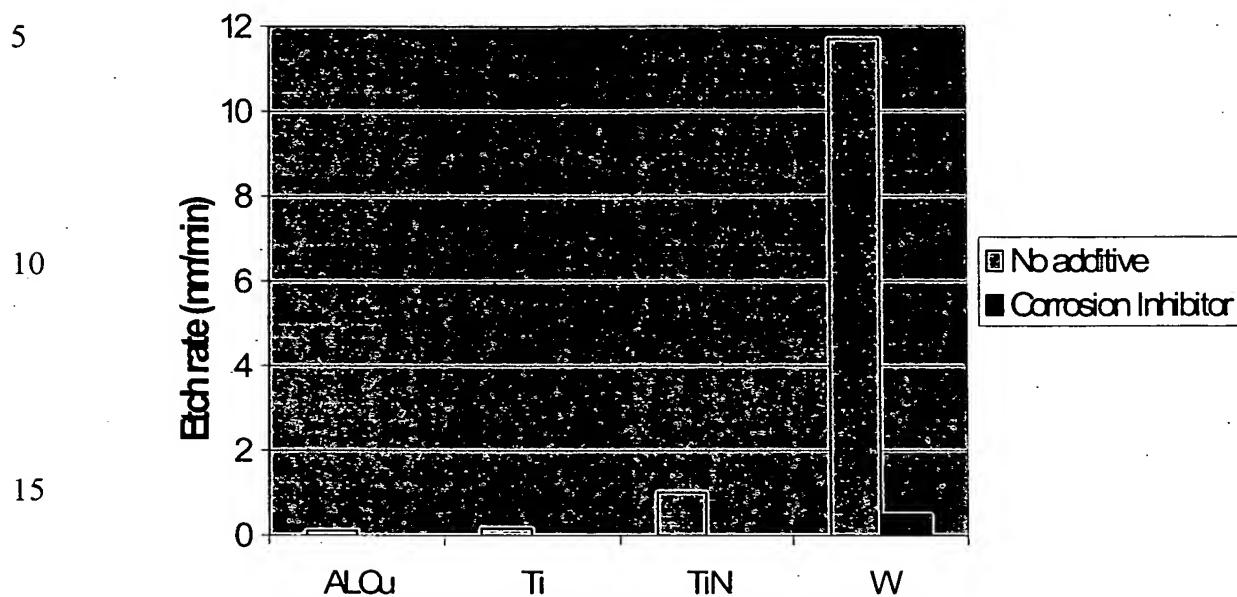
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Oblon, Spivak, et al.
703-413-3000
Docket # 296755US
Sheet 5 of 5

Figure 13:

Influence Corrosion Inhibitor



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